

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

ORIGINAL Form 3

RECEIVED  
SEP 9 2002

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

K-11858  
701-0070

Illinois Commerce Commission  
RAIL SAFETY SECTION

Date: August 30, 2002

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Commerce Commission

at: Johnson St. in Jacksonville, Morgan County, Illinois, DOT: 479 401B, MP. DH-446.86

File No. 061-04.310

Project No. 04.0498

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

**WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.**

Norfolk Southern Railway Company

By R.H. Ray

R. H. Ray, Administrator  
Highway Grade Crossings

Thomas W. Ambler  
(Attorney for Petitioner)

Norfolk Southern Corporation  
Three Commercial Place  
Norfolk, VA 23510-2191  
(Attorney's Address)

DOCKETED

**Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).**

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 479 401B
3. Village or City Jacksonville
4. Name of Street or Highway Johnson Street
5. Public Agency Maintaining Highway City
6. Protection now established:
- Automatic Flashing Light Crossing Signals with Bell and Crossbucks
7. Protection desired:
- Modify grade crossing warning devices to Flashing Light Crossing Signals with Gates  
controlled by constant warning time detection devices.
8. Number of main tracks One Other tracks None
9. Number of passenger movements:
- 6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
- 6 a.m. to 6 p.m. 7 6 p.m. to 6 a.m. 11
11. Approximate number of switch movements:
- 6 a.m. to 6 p.m. 1 6 p.m. to 6 a.m. 1
12. Maximum speed of trains at crossing on each track in each direction:
- North/East 50 M.P.H.
- South/West 50 M.P.H.
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

200 AADT including cars and trucks

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

#### ADDITIONAL INFORMATION

Drawing attached for question no. 16

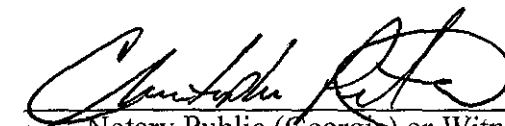
(File Original and Two Duplicates)

VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am  
Administrator - Highway Grade Crossings, of Norfolk Southern Railway Company, a  
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the  
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon  
information and belief, and as to those, I believe same to be true.

  
Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 30  
day of August 20 02.

  
Notary Public (Georgia) or Witness

My Commission Expires: \_\_\_\_\_

15-Aug-02

**Detailed Estimate for Grade Crossing Warning Devices**

City/Stat JACKSONVILLE, IL  
MilePost: DH-446.86  
State Proj.  
S&E Proj. 04.0498  
Man Days: 96

Road: JOHNSON ST.  
DOT/AAR: 479401B  
County: MORGAN  
AFE:  
File 061-04.310

**\*\*\*Purchases - Other\*\*\***

Meals and	\$7,650.00	
Rental of (2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 24 Days)	\$16,730.00	
Construction Supervision	\$310.00	
Contingencies	\$560.00	
Purchases - Other		\$25,250.00

**\*\*\* Material and Additives\*\*\***

Material Cost:	\$67,020.00	
Sales and Use Tax:	\$3,350.00	
Material Handling Freight:	\$6,370.00	
Material Total:		\$76,740.00

**\*\*\*Labor and Additives\*\*\***

Labor Cost:	\$19,680.00	
(4 man crew at \$820.00 a day for: 24 days)		
Payroll Tax & Overheads:	\$17,040.00	
Preliminary Engineering:	\$17,630.00	
Construction Supervision:	\$5,560.00	
Labor Total:		\$59,910.00
Subtotal		\$161,900.00
Credit: (Salvage/Scrap )		\$0.00
Project		<b>\$161,900.00</b>

Estimated on: 15-Aug-02

Estimated by: ndr3j

**Estimate valid for 1 year from date of estimate**

# Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	JACKSONVILLE
Road:	JOHNSON ST.
Milepost:	DH-446.86
Drawing Number:	SFDH44686
State Project Number:	
County:	MORGAN
A A R Number:	479401B
Project Number:	04.0498
File Number:	061-04.310
A F E Number:	
Store Number:	
Supervisor:	D.J. HOLLINGSEAD
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

15-Aug-02

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN				
2	670-001321-4	EA	\$246.66	\$493.32	ARM, GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAN 076600-240017 OR				
13	105-871901-4	EA	\$154.22	\$2,004.81	BATTERY, GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS				
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3-360-5 CR 02-044350				
6	165-479603-4	EA	\$7.10	\$42.61	BERM WALL DEADEND, STRANDVISE GRAYBAR# 5201T (ORDER 2 PER POWR SOURCE) OR (26 PER BERM WALL)				
2	210-037447-4	EA	\$3.25	\$6.51	BOLT, ANGLE 5/8 IN X 12 IN HUBEYE HUBBARD 9152, OR A B CHANCE 5012				
4	210-063608-4	EA	\$0.21	\$0.86	BOLT, CARRIAGE 3/8 IN X 4 IN COMP WITH SQ NUT AAR SPEC 1-A-20 DWG T&T 1743 GALV., CHANGE 8634				
4	210-129608-4	EA	\$2.80	\$11.22	BOLT, DOUBLE-ARMING HOT GALV HUBBARD 9868 OLIVER 6438 OR JOSLYN @J-8868 5/8 IN X 18 IN				
2	210-250081-4	EA	\$2.63	\$5.26	BOLT, GALVANIZED IRON THRU ROLLED THREAD COMP W/NUT WU STANDARD 5/8 IN X 18 IN				
1	670-066961-4	EA	\$264.36	\$264.36	BOX, SAFETRAN 092353-200AX W/TERMINALS, ALUM. POLE 24-WAY SUPERSEDES NO. @533-A				
4	670-080606-4	EA	\$5.73	\$22.92	BRACE, GALVANIZED IRON CROSSARM WU STANDARD 1/4 IN THICK X 1 1/4 IN WIDE X 28 IN LONG ONE				
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS				
2	670-000977-4	EA	\$57.98	\$115.95	BRACKET, HIGH WIND SUPPORT HARMON @54-00139, SERRMI @50044 SAFETRAN 076203-518X				
300	465-292862-4	LF	\$1.00	\$300.87	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR				

APPROVED BY STATE APPROVED BY RAILROAD CAR NUMBER SEAL NUMBER

Location: JACKSONVILLE IL S&amp;E Proj. No.: 04.0498

AFE No.:

Drawing No.: SFDH44686

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Store No.:

P.O. Number:

Date Required:

Date Shipped:

Vendor : Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
300	465-292929-4	LF	\$3.00	\$899.58	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL				
900	465-939422-4	LF	\$2.56	\$2,302.65	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL				
1500	465-292614-4	LF	\$1.28	\$1,918.95	CABLE, UG 18 PAIR NO. 19 JELLY FILLED, USED FOR CODE CABLE AT AREAS ELECTRONIC CODING EQUIP.				
700	465-277674-4	FT	\$2.80	\$1,962.87	CABLE, UG 3CD NUMBER 6 FOR HIGH CURRENT AC POWER OKONITE 206-11-6 243				
80	165-544477-4	FT	\$2.00	\$159.65	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4				
3	165-299316-4	EA	\$16.89	\$50.66	CONDUIT, PVC CASE OUTLET 4 IN. X 29-1/2 IN. SCHEDULE-80 WITH 4 IN. COUPLING, CARLON E940N,				
2	670-090450-4	EA	\$49.62	\$99.25	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W				
2	670-486646-4	EA	\$40.66	\$81.32	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W				
2	670-793404-4	EA	\$838.38	\$1,676.76	COUNTERWEIGHT PKAGE, 17-24 GATE STRAN S-MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS				
5	670-760012-4	EA	\$34.90	\$174.49	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ===TO COVER 2 LAMPS===				
4	270-001945-4	EA	\$35.82	\$143.28	CROSSARM, SYP SELECT 3 X 4-1/4 X 10 STRICTLY PER S&C DWG E-699-A SHEET 3. TO BE TREATED WITH CCA				
12	165-479439-4	EA	\$7.88	\$94.56	DEADEND, RACO 158 WITH 2 WASHERS AND 1 NUT BUT WITHOUT INSULATORS SAFETRAN NO. @028152-X				
3	670-080337-4	EA	\$0.73	\$2.18	DECAL, X'ING SIGNAL MALFUNCTION 11" X 4", GATE MOUNT				
3	670-075444-4	EA	\$0.54	\$1.63	DECAL, X'ING SIGNAL MALFUNCTION 6" X 6", MAST MOUNT				

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Location: JACKSONVILLE IL S&amp;E Proj. No.: 04.0498

AFE No.: Drawing No.: SFDH44686

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Store No.:

P.O. Number:

Date Required:

Date Shipped:

Vendor : Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Date Quan.	Quantity Date Quan.	Quantity Date Quan.	Quantity Returned (Credit)	Special Instructions
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER						
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO						
4	670-000003-4	EA	\$255.85	\$1,023.40	FILLSTONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST						
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE S-2 GATE 56" ASSEMBLED						
1	670-491904-4	EA	\$52.71	\$52.71	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-600						
18	225-699183-4	EA	\$1.10	\$19.71	INSULATOR, PORCELAIN DEADEND RACO 149-2, SAFETRAN 028149-2 RACO DEADENDS NO 158						
1	670-477991-4	EA	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200#4WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206						
1	670-123298-4	EA	\$225.10	\$225.10	KIT, HARDWARE SUPPLIES REQUIRED X'ING PKGAGES, WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, PGUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS, JNE CAN BLUE MARKING PAINT ETC...						
1	670-015294-4	EA	\$630.41	\$630.41	LAMP ASSY, 5" MAST MTG, 1W IND, SPECIAL POINTED RT USED OVER 2W #042003-001538 USE W/MAST 0890 R 670-011651-4						
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG, 2W IND, 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS						
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S111/SC CLEAR RMY SIGNAL UJ-71463 GE						
4	255-590880-4	EA	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"						
1	610-165863-4	EA	\$1,103.32	\$1,103.32	MAST, 5" ALUMINUM (0845) RIGHT FOR LIGHT UNIT & BRACKET @ 45 DEG. RIGHT W/DBL. JCT. BOX BASE #070519-43AX-2						
1	670-637778-4	EA	\$1,055.55	\$1,055.55	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE, STRAN P# 070519-11AX.						

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A/E No.: Drawing No.: SFDH44686

Vendor: Safetran Systems Corp.

Store No.: P.O. Number:

Date Required:

Date Shipped:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W00090				
3	670-000001-4	EA	\$316.23	\$948.69	MISC. MATERIAL				
1	670-839472-4	EA	\$2,901.80	\$2,901.80	MONITOR, HWY XING, (DEMA-NS-5M) W/ DUAL SENSOR & RITRON RADIO, FREQ. COMBO #5, CH 1 = 160.440MHZ, CH 2 = 161.250MHZ. INCLUDES WIRING AND INSTALLATION				
4	210-896405-4	EA	\$3.16	\$12.65	NUT, THIMBLEYE HUBBARD 7510 5/8 IN, GALV., CHANCE 6510				
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN, MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR				
1	255-646807-4	EA	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX				
2	610-719870-4	EA	\$135.90	\$271.80	PEDESTAL ASSEMBLY, ARMORCAST P/N P6001205-NS, YELLOW 10"x11"x29"				
1	670-514605-4	EA	\$8.43	\$8.43	POLYETHYLENE INCL 45" WITH TERMINAL BLOCK PINNACLE, W-C SECT 1-11, 4' & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X				
1	670-555609-4	EA	\$41.11	\$41.11	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR				
1	670-166532-4	EA	\$140.72	\$140.72	PROTECTOR, SURGE 3-WIRE PLUS GRD 120/240 JOSLYN ELECTRONICS 1259-21-A FOR I/S AC BREAKER PANEL				
5	465-002899-4	EA	\$20.88	\$104.39	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES				
1	670-707995-4	EA	\$356.29	\$356.29	RELAY, TYPE B1, NEV LINE, 900 OHMS, .008 AMPERES GRS A62-308 OR SAFETRAN @400003				
1	670-786834-4	EA	\$6,706.00	\$6,706.00	SHELTER, BARE 6X6 ALUMINUM W/FARADAY, SAFETRAN P/N 058400-66-78, W/ADJ. PIERS 4 GND LUGS W/48" #4 SOLID COPPER PIGTAIL, 2 SHELVES, 3 TAG BOARDS/SHELF, AND ONE 3' FARADAY SHIELD				

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Location: JACKSONVILLE IL

S&amp;E Proj. No.: 04,0498

A/E No.: SFDH44686

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Store No.:

P.O. Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
2	670-586967-4	EA	\$34.74	\$69.49	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT				
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND				
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546				
2	670-751511-4	EA	\$35.58	\$71.17	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X				
20	165-864151-4	EA	\$1.05	\$21.08	STEP, HOT GALV STEEL HOOK HEAD HUBBARD 7124 JOSLYN J-1117 OLIVER 7981				
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN, ONLY IN IA., IN., IL., AL. 035200-555X				
1	670-330382-4	RL	\$10.75	\$10.75	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"				
1	165-917984-4	EA	\$4.22	\$4.22	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR				
1	610-065626-4	EA	\$16.66	\$16.67	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY				
3	670-007238-4	EA	\$137.14	\$411.41	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-				
300	465-377911-4	FT	\$0.42	\$125.88	WIRE, ALUMOWELD GUY 7 #10 STRAND BERM WALL / POE LINE GUY WIRE (ORDER 150' PER BERM WALL) PER GISEXTON 2-17-98				
1	670-403183-4	EA	\$24,436.00	\$24,436.00	WIRED RACK, 6X6 FARADAY, COMPLETE/GCP3000D2 SINGLE TRK, 20 AMP SSCIII, 2 ISL MOD, 1 SAFETRAN CHARGER, 1 CRAGG CHARGER 2 RELAY RACKS, SAFETRAN				
1	460-986008-4	EA	\$7.35	\$7.35	P/N T15383, USE WITH I/S 670-786834-4 WRENCH, TEST POST TYPE B DWG 55393-3, GR.1				

Total Material \$67,023.36

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